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HIF-1 Alpha Rabbit pAb

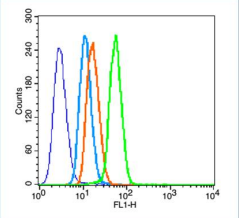
Catalog Number:	bs-0737R
Target Protein:	HIF-1 Alpha
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	Flow-Cyt (1µg/Test), ICC/IF (1:50-200)
Reactivity:	Human (predicted:Mouse, Rat, Pig, Chicken)
Predicted MW:	92 kDa
Entrez Gene:	3091
Swiss Prot:	Q16665
Source:	KLH conjugated synthetic peptide derived from middle of human HIF-1 Alpha: 661-760/826.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background:

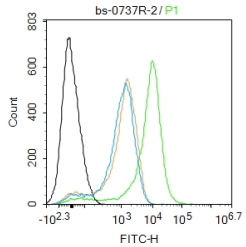
缺氧诱导因子1Alpha不仅对于机体在缺氧条件下维持正常的生理功能具有特别重要的意义, 并在肿瘤的生长以及神经细胞凋亡等病理过程中起重要作用. HIF1 alpha能调节许多下游基因的表达水平.

哺乳动物细胞在低氧压力条件下出现HIF。HIF是一种转录因子，对细胞的缺氧起稳定作用。

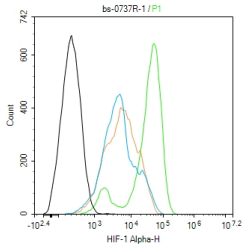
VALIDATION IMAGES



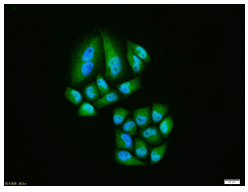
Blank control (blue line): Hela (blue). Primary Antibody (green line): Rabbit Anti- HIF-1 Alpha antibody (bs-0737R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 80% methanol (5 min at -20°C) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



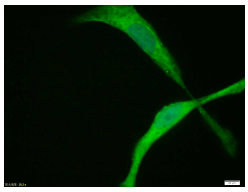
Blank control:Mouse spleen. Primary Antibody (green line): Rabbit Anti-HIF-1 Alpha antibody (bs-0737R) Dilution: 2μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



The HepG2 (H) （treated with 500uM CoCl2 for 6 hours）cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Rabbit Anti-HIF-1 Alpha antibody (bs-0737R): 1 μg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-40295G-FITC): 1 μg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (HIF-1 Alpha) polyclonal Antibody, Unconjugated (bs-0737R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



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PRODUCT SPECIFIC PUBLICATIONS

[IF=18.027] Shikai Liu. et al. On-Demand Generation of Peroxynitrite from an Integrated Two-Dimensional System for Enhanced Tumor Therapy. ACS NANO. 2022;XXXX(XXX):XXX-XXX IHC,WB ; Mouse,Human . 35666853

[IF=18.2] Tingkui Zhao. et al. A Triple-Targeted Rutin-Based Self-Assembled Delivery Vector for Treating Ischemic Stroke by Vascular Normalization and Anti-Inflammation via ACE2/Ang1-7 Signaling. ACS CENTRAL SCI. 2023;XXXX(XXX):XXX-XXX WB,IHC ; Rat . 37396868

[IF=17.1] Yu Zhang. et al. A Vanadium-Based Nanoplatform Synergizing Ferroptotic-like Therapy with Glucose Metabolism Intervention for Enhanced Cancer Cell Death and Antitumor Immunity. ACS NANO. 2023;XXXX(XXX):XXX-XXX IF,ICC,WB ; Mouse . 37272777

[IF=16.806] Jianting Yao. et al. Low-Intensity Focused Ultrasound-Responsive Ferrite-Encapsulated Nanoparticles for Atherosclerotic Plaque Neovascularization Theranostics. 2021 Aug 11 IF ; Rabbit . 34382370

[IF=14.65] Liu, Hao-Yu. et al. Distinct B cell subsets in Peyer’ s patches convey probiotic effects by Limosilactobacillus reuteri. Microbiome. 2021 Dec;9(1):1-18 FCM ; Mouse . 34602091